

WHAT IS CLAIMED IS:

1. An image display element, comprising:
 - a plurality of data lines to which display signals are applied, the data lines being embedded in a substrate;
- 5 a plurality of scan lines to which scan signals are applied, the scan lines being embedded in the substrate;
 - a first wire having a surface which is exposed, the first wire being electrically connected to one of the scan lines; and
 - a second wire having a surface which is exposed, wherein a
- 10 distance between the first wire and the second wire is more than or equal to 5 μ m.
2. The image display element according to claim 1, wherein a potential of the second wire is substantially equal to a
- 15 potential of a scan line other than the one scan line.
3. The image display element according to claim 1, further comprising:
 - a first pixel electrode and a second pixel electrode that are supplied with display signals from one of the data lines;
 - a first switching device that controls a supply of the display signal in the one data line, wherein the first switching device is electrically connected between the one data line and the first pixel electrode and that has a gate electrode;
- 20 a second switching device that is electrically connected between

the gate electrode of the first switching device and one scan line; and
a third switching device that is connected to the one data line
and that controls a supply of the display signal to the second pixel
electrode.

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4. An image display element, comprising:
 - a plurality of data lines to which display signals are applied, the data lines being embedded in a substrate;
 - a plurality of scan lines to which scan signals are applied, the scan lines being embedded in the substrate;
 - a first wire having a surface which is exposed, the first wire being electrically connected to one of the scan lines;
 - a second wire having a surface which is exposed, the second wire being arranged in the vicinity of the first wire; and
- 15 an insulator that is arranged to cover the surface of at least one of the first and second wires.
5. The image display element according to claim 4, wherein
a potential of the second wire is substantially equal to a
20 potential of a scan line other than the one scan line.
6. The image display element according to claim 4, further comprising:
 - a counter substrate that is disposed opposite to the substrate,
 - 25 with a distance from the substrate, wherein

the insulator is a spacer that prescribes the distance.

7. The image display element according to claim 4, wherein
the insulator is a light-shield film that has a light transmission
5 area.

8. The image display element according to claim 4, further
comprising:
a first pixel electrode and a second pixel electrode that are
10 supplied with display signals from one of the data lines;
a first switching device that controls a supply of the display
signal in the one data line, wherein the first switching device is
electrically connected between the one data line and the first pixel
electrode and that has a gate electrode;
15 a second switching device that is electrically connected between
the gate electrode of the first switching device and one scan line; and
a third switching device that is connected to the one data line
and that controls a supply of the display signal to the second pixel
electrode.

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9. An image display element, comprising:
a first substrate;
a plurality of data lines to which display signals are applied, the
data lines being embedded in the first substrate;
25 a plurality of scan lines to which scan signals are applied, the

scan lines being embedded in the first substrate;
a wire having a surface which is exposed, the wire being
electrically connected to one of the scan lines;
a second substrate that is arranged opposite to the first
5 substrate, with a distance from the first substrate; and
a spacer that is mounted on any one of the first substrate and
the lower surface of the second substrate, with a distance of at least
5µm from the wire, and that prescribes a distance between the first
substrate and the second substrate.

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10. The image display element according to claim 9, wherein
the spacer is arranged on a light-shield area.

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11. The image display element according to claim 9, wherein
the spacer is arranged on a light-shield area, at a position with a
largest distance from the wire.

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12. The image display element according to claim 9, further
comprising:

a first pixel electrode and a second pixel electrode that are
supplied with display signals from one of the data lines;

a first switching device that controls a supply of the display
signal in the one data line, wherein the first switching device is
electrically connected between the one data line and the first pixel
electrode and that has a gate electrode;

5 a second switching device that is electrically connected between the gate electrode of the first switching device and one scan line; and a third switching device that is connected to the one data line and that controls a supply of the display signal to the second pixel electrode.

13. An image display device, comprising:
10 a data line driving circuit that supplies a display signal to a plurality of data lines;
a scan line driving circuit that supplies a scan signal to a plurality of scan lines;
15 a first wire having a surface which is exposed, the first wire being electrically connected to one of the scan lines; and a second wire having a surface which is exposed, wherein a distance between the first wire and the second wire is more than or equal to 5 μ m.

14. The image display device according to claim 13, wherein a potential of the second wire is substantially equal to a potential of a scan line other than the one scan line.

15. The image display device according to claim 13, further comprising:
20 a first pixel electrode and a second pixel electrode that are supplied with a display signal from a same data line;

- a first switching device that controls the supply of the display signal from the data line to the first pixel electrode, and that is driven based on a scan signal supplied from a first scan line;
- a second switching device that controls a supply of the display signal from the data line to the second pixel electrode, and that is driven based on a scan signal supplied from a second scan line subsequent to the first scan line; and
- a third switching device that is driven based on the scan signal supplied from the first scan line, and that controls ON and OFF of the second switching device.

16. An image display device, comprising:

- a data line driving circuit that supplies a display signal to a plurality of data lines;
- 15 a scan line driving circuit that supplies a scan signal to a plurality of scan lines;
- a first wire having a surface which is exposed, the first wire being electrically connected to one of the scan lines;
- a second wire having a surface which is exposed, the second wire being arranged in the vicinity of the first wire; and
- 20 an insulator that is arranged to cover the surface of at least one of the first and second wires.

17. The image display device according to claim 16, wherein
a potential of the second wire is substantially equal to a
potential of a scan line other than the one scan line.

5 18. The image display device according to claim 16, further
comprising:
a first pixel electrode and a second pixel electrode that are
supplied with a display signal from a same data line;
a first switching device that controls the supply of the display
10 signal from the data line to the first pixel electrode, and that is driven
based on a scan signal supplied from a first scan line;
a second switching device that controls a supply of the display
signal from the data line to the second pixel electrode, and that is
driven based on a scan signal supplied from a second scan line
15 subsequent to the first scan line; and
a third switching device that is driven based on the scan signal
supplied from the first scan line, and that controls ON and OFF of the
second switching device.

20 19. An image display device, comprising:
a data line driving circuit that supplies a display signal to a
plurality of data lines;
a scan line driving circuit that supplies a scan signal to a
plurality of scan lines;
25 a first substrate;

a plurality of data lines to which display signals are applied, the data lines being embedded in the first substrate;

a plurality of scan lines to which scan signals are applied, the scan lines being embedded in the first substrate;

5 a wire having a surface which is exposed, the wire being electrically connected to one of the scan lines;

a second substrate that is arranged opposite to the first substrate, with a distance from the first substrate; and

10 a spacer that is mounted on any one of the first substrate and the lower surface of the second substrate, with a distance of at least 5µm from the wire, and that prescribes a distance between the first substrate and the second substrate.

20. The image display device according to claim 19, further comprising:

15 a first pixel electrode and a second pixel electrode that are supplied with a display signal from a same data line;

a first switching device that controls the supply of the display signal from the data line to the first pixel electrode, and that is driven based on a scan signal supplied from a first scan line;

20 a second switching device that controls a supply of the display signal from the data line to the second pixel electrode, and that is driven based on a scan signal supplied from a second scan line subsequent to the first scan line; and

25 a third switching device that is driven based on the scan signal

supplied from the first scan line, and that controls ON and OFF of the second switching device.